Installation Guide

DAS-MET-6SRC Metreau™ 6-Source Audio Keypad

Overview

The DAS-MET-6SRC Metreau 6-Source Audio Keypad (FG1122-01) features source control, a navigation wheel that adjusts volume and provides up, down, left, right and center button options, as well as an LED bar for visual volume feedback (FIG. 1).

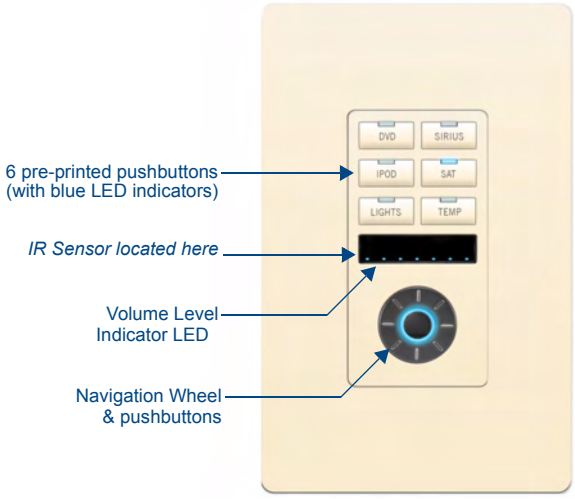

FIG. 1 DAS-MET-6SRC Metreau 6-Source Audio Keypad

The DAS-MET-6SRC is a SWT keypad, suitable for use in Matrix Distributed Audio Systems.

Specifications

DAS-MET-6SRC Specifications	
Power:	12 VDC, 125 mA
Front Panel Components:	• Pushbuttons - 6 tactile pushbuttons with blue LED indicators that illuminate when the source is selected, and stay lit until the source is turned off. These pre-printed buttons are field-replaceable. • IR Sensor - Works specifically with the MIO-R1-AUDIO remote controller (38 kHz only). • LED Levels Indicator - set of 7 blue LEDs provide volume level feedback. • Navigation Wheel - consists of 5 pushbuttons: 4 directional pushbuttons (Up, Down, Right, Left), 1 center pushbutton, and bi-directional rotating wheel for volume adjustments. Note that the center pushbutton is dual-purpose: a push/release provides one function, while a press/hold provides another.
Rear Panel Components:	Wiring connection - Two 4-pin SWT connectors that provide connection from the Matrix Audio Controller, and to the speakers.
Dimensions (HWD):	• Keypad and Mounting Plate: 4.055" x 1.772" x 0.997" (103mm x 45mm x 25.32mm) • Mounts into standard decora-style wall plates.
Weight:	2.4 oz. (68.04 g)
Operating Environment:	• Operating Temperature: 32° - 104° F (0°- 40° C). • Relative Humidity: 5% - 85%, non-condensing. • Intended for indoor use only.
Certifications:	• FCC Class B • CE • IEC60950 • RoHS
Colors:	• White (FG1122-01-WH) • Black (FG1122-01-BL) • Light Almond (FG1122-01-LA)
Optional Accessories:	• Single Button Kit (FG5794-10) • Lutron Cairo Wallplates (available in a variety of sizes and colors)

Navigation Wheel - Pushbuttons

The *top*, *bottom*, *left* and *right* points on the Navigation Wheel are used for source control and can be programmed to provide any source functionality by learning the applicable IR code.

The *center* pushbutton is dual-purpose: a push/release on this button provides one function, while a press/hold provides another. The center pushbutton are also used for source control and can be programmed to provide any source functionality (again, by learning the applicable IR code).

FIG. 2 shows the button layout of the Navigation Wheel:

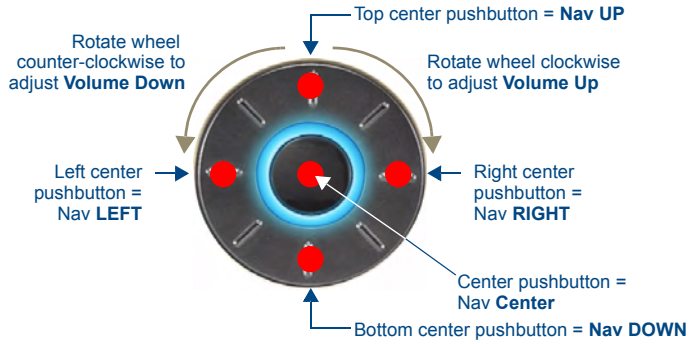

FIG. 2 Navigation Wheel - button layout

Navigation Wheel

The Navigation Wheel itself can be rotated bi-directionally, and provides volume level control.

- Clockwise rotation increases the volume level, counter-clockwise rotation decreases the volume level.
- The range for volume is 0 - 70.

Installation

Note: *Before touching the device, discharge the static electricity from your body by touching a grounded metal object.*

FIG. 3 shows the basic rear components of the DAS-MET-6SRC keypads:

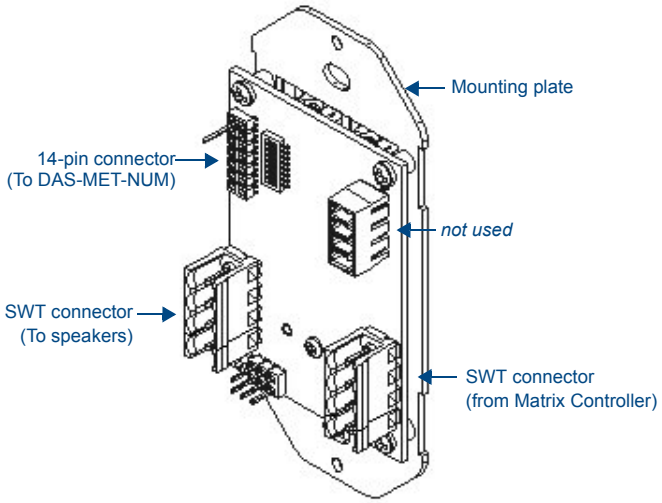

FIG. 3 DAS-MET-6SRC - Rear Components

Wiring

SWT wiring utilizes four-color "snap connectors" to secure the wires (no screws). You will need a wire stripper to prepare and connect the captive wires.

1. Strip 0.25 inch (6.35 mm) of wire insulation off all wires.
2. Insert each wire into the appropriate opening on the connector according to the wiring diagrams and connector types described in this section.

SWT Data and Power Connections

SWT wiring involves connecting the Mi-Series Controller, Metreau keypads, and Speakers.

The Matrix Audio Controller and Metreau keypads are cabled using standard 4-conductor speaker cable originating at the Controller, passing through the keypad, and terminating at the speaker location.

AMX recommends using a bundled 4-conductor, 16-gauge stranded copper wire in a single continuous run.

1. Connect the Matrix Controller's Zone Output connector to the 4-pin connector on the rear panel of the Metreau keypad labeled TO CONTROLLER for data and 12 VDC power.
2. Connect the other 4-pin connector on the keypad labeled TO SPEAKERS to the SWT speakers as shown in FIG. 4.

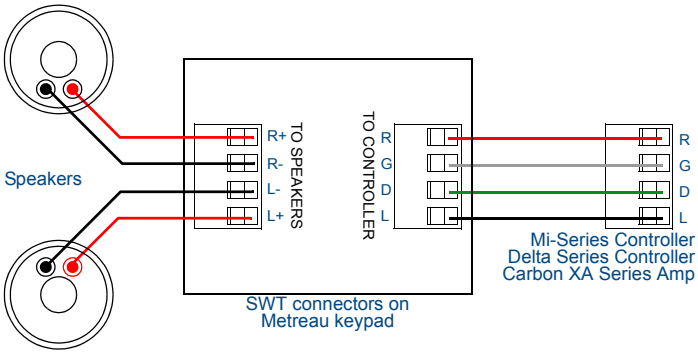

FIG. 4 SWT wiring

***NOTE**: If you connect a keypad while the controller is on you must restart the controller for that keypad to become active.*

Source Power Handling:

The Matrix Audio Controller learns the IR commands for power on/off during the programming setup. Source components are turned on when they are selected on the keypad. The source remains on until it has been idle in all zones for a duration of 10 minutes. The source is then turned off until selected again.

Tango System Integration Drawing - Using 4-Conductor Speaker Wire

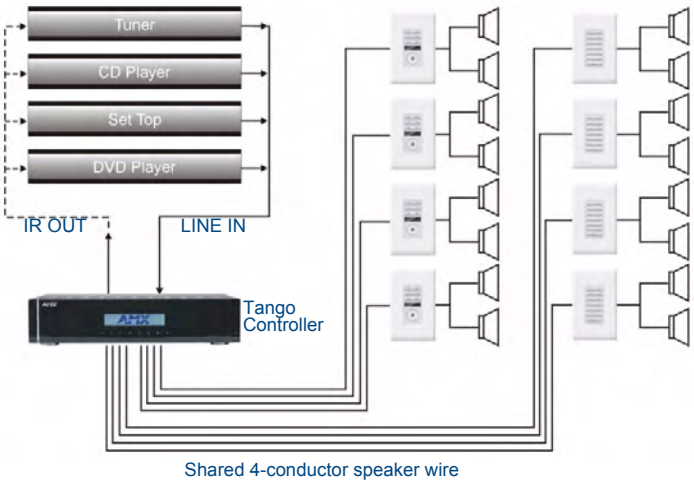

FIG. 5 System Integration Drawing Using 4-Conductor Speaker Wire

Mounting Procedures

AMX recommends mounting Metreau keypads in standard U.S.-style decora wallboxes:

- Conduit box should meet NEC specs (section 370)
- Minimum internal clearance of (HWD) 2-5/8" x 1-3/4" x 1-5/8".

***Note**: Before touching the device, discharge the static electricity from your body by touching a grounded metal object.*

Wallbox Mounting

1. Use the cutout dimension for the wallbox to cutout the install surface.
2. Connect the SWT cable connector to the rear of the keypad.
3. Place the Mounting Plate on the wallbox; align the screw holes with the mounting holes and fasten the Mounting Plate to the wallbox using the screws supplied.

***Note**: Do not overtighten the screws when mounting the Mounting Frame. The device should be flush with mounting surface.*

Mounting Dimensions

FIG. 6 provides detailed dimensions for the 6-button/Navigation Wheel Metreau keypads.

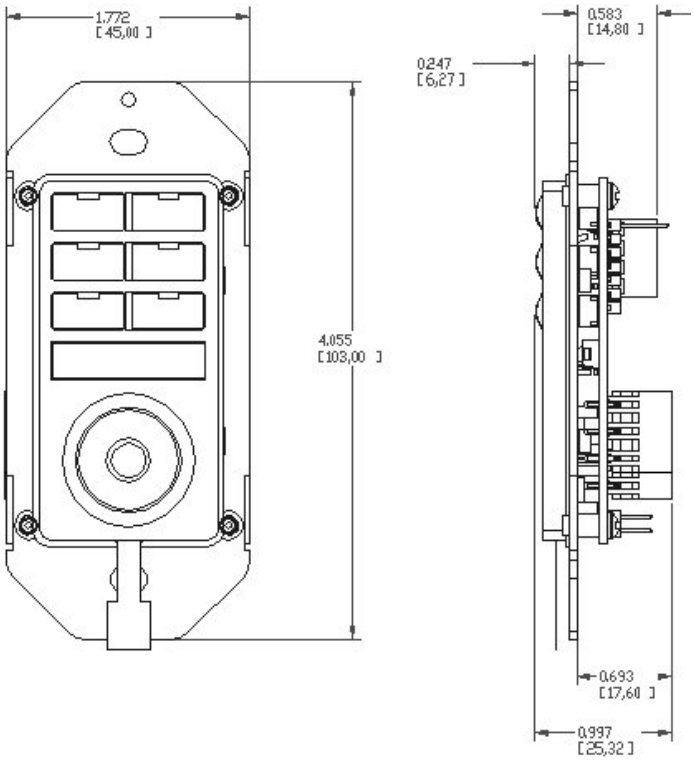

FIG. 6 Mounting Dimensions - DAS-MET-6SRC

Programming

SWT-only Metreau keypads (DAS-MET-6SRC and DAS-MET-NUM) are configured via the Tango Audio Controller. Refer to the *Tango Audio Controllers Operation / Reference Guide* for details.

Additional Documentation

Refer to the *Metreau Keypads Operation/Reference Guide* (available online www.amx.com) for additional information on configuration, programming and using the Metreau keypads.

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